

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0787	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0787 Fair	A	4.40						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.42			
Flood Preparedness & Training	0.04		0.04	0.91%				
<i>Supplemental</i>								
USACE Erosion Survey	0.13		0.13	2.96%				
<i>LMA Totals:</i>	0.17	0.00	0.17	3.86%	2.42	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 Levee Inspection Results

Reclamation District No. 0787 Fair

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0787 Fair

Waterway			Bank	Unit Miles
Unit No. 01 Colusa Basin Drain			Left	4.40
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	-		10/04/2013 - 10/04/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Marty Stripling River Gardens Farm		Marty Stripling River Gardens Farm	
	Roger Cornwell Rivergarden Farms RD 787		Roger Cornwell Rivergarden Farms RD 787	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0787 Fair

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain						Left	4.40	10/04/2013 10/04/2013	John Williamson
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1			Earthen Levee	Emergency Supplies & Equipment	LS A Ma		°	°	7
DWR ID: DWR_RD0787_01_s_2013_7									
2			Earthen Levee	Operations & Maintenance Manuals	LS A Ma		°	°	8
DWR ID: DWR_RD0787_01_s_2013_8									
3			Earthen Levee	Flood Preparedness & Training	LS M Ma		°	°	10
DWR ID: DWR_RD0787_01_s_2012_10									
4	0.33	0.33	Earthen Levee	Encroachments	WS C En	PR : Prunings	38.796333 ° -121.729708 °	38.796333 ° -121.729708 °	12
DWR ID: DWR_RD0787_01_s_2013_12									
5	0.39	0.51	Supplemental	USACE Erosion Survey	WS M Ma	Inspector Comments: 2011 - Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading. Additional erosion due to human use. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: CBD_0-5_L]	38.795268 ° -121.732566 °	38.795931 ° -121.730627 °	1
DWR ID:									
6	0.39	0.39	Earthen Levee	Encroachments	WS C En	DE : Debris	38.795925 ° -121.730695 °	38.795925 ° -121.730695 °	15
DWR ID: DWR_RD0787_01_s_2013_15									
7	0.64	0.64	Earthen Levee	Encroachments	WS M En	PR : Prunings	38.795562 ° -121.735192 °	38.795562 ° -121.735192 °	16 Y
DWR ID: DWR_RD0787_01_s_2013_16									
8	0.67	0.67	Supplemental	USACE Erosion Survey	WS M Ma	Inspector Comments: 2011 - Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: CBD_0-9_L]	38.796225 ° -121.738902 °	38.795486 ° -121.735647 °	2
DWR ID:									
9	1.18	1.18	Earthen Levee	Encroachments	WS C En	PR : Prunings	38.798757 ° -121.744018 °	38.798757 ° -121.744018 °	17
DWR ID: DWR_RD0787_01_s_2013_17									
10	1.41	1.41	Earthen Levee	Encroachments	WS M En	DE : Debris	38.800818 ° -121.747528 °	38.800818 ° -121.747528 °	129 Y
DWR ID: DWR_RD0787_01_f_2013_129									
11	1.57	2.71	Earthen Levee	Encroachments	LS M En	DT : Ditch	38.801794 ° -121.750204 °	38.809506 ° -121.768979 °	13 Y
DWR ID: DWR_RD0787_01_s_2012_13									
12	1.84	1.84	Earthen Levee	Encroachments	LS C En	DE : Debris	38.803445 ° -121.754643 °	38.803445 ° -121.754643 °	18
DWR ID: DWR_RD0787_01_s_2013_18									

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.40	10/04/2013 10/04/2013	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
13	3.11	4.37	Earthen Levee	Encroachments	LS	M	DT : Ditch	38.812963 °	38.822302 °	14
						En		-121.774880 °	-121.795295 °	Y
DWR ID: DWR_RD0787_01_s_2012_14										

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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.40	10/04/2013 10/04/2013	John Williamson

Levee Mile Report Line	7
Start Levee Mile	0.64
End Levee Mile	0.64
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Prunings pile along the shoulder of the waterside levee. Spring 2013

johngw_f_20130924_216.JPG



Levee Mile Report Line	10
Start Levee Mile	1.41
End Levee Mile	1.41
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Household debris has been place on the berm area. Fall 2013

johngw_f_20131007_957.JPG



Levee Mile Report Line	11
Start Levee Mile	1.57
End Levee Mile	2.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Agricultural ditch runs along landside the distance of the district.

johngw_f_20130924_211.jpg



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Levee Mile Report Line	11
Start Levee Mile	1.57
End Levee Mile	2.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A view of the agricultural ditch in the fall of 2011.

johngw_f_20130924_212.jpg



Levee Mile Report Line	13
Start Levee Mile	3.11
End Levee Mile	4.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Ditch along landside toe.

johngw_f_20130924_213.jpg



Levee Mile Report Line	13
Start Levee Mile	3.11
End Levee Mile	4.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A current view of the agricultural ditch photo taken in fall of 2011.

johngw_f_20130924_214.jpg



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